

Datasheet for ABIN1047241

IL-15 Protein (AA 49-162, full length) (His tag)



[Go to Product page](#)

1 Image

4 Publications

Overview

Quantity:	100 µg
Target:	IL-15 (IL15)
Protein Characteristics:	AA 49-162, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-15 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	NWVNVISDLK KIEDLIQSMH IDATLYTESD VHPSCCKVTAM KCFLLELQVI SLESGDASIH DTVENLIILA NNSLSSNGNV TESGCKECEE LEEKNIKEFL QSFVHIVQMF INTS
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	IL-15 (IL15)
Alternative Name:	Interleukin-15 protein (IL15 Products)
Background:	Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15 with components of IL-2R, including IL-2R beta and probably IL-2R gamma

Target Details

	but not IL-2R alpha.
Molecular Weight:	16.9 kD
UniProt:	P40933
Pathways:	JAK-STAT Signaling , Glycosaminoglycan Metabolic Process

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

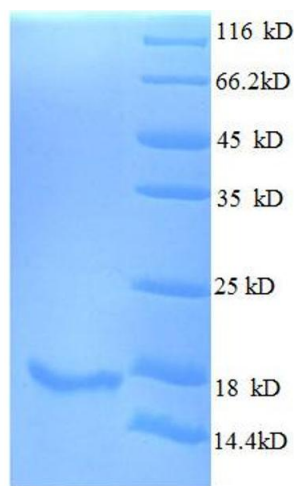
Product cited in:	Tagaya, Kurys, Thies, Losi, Azimi, Hanover, Bamford, Waldmann: "Generation of secretable and nonsecretable interleukin 15 isoforms through alternate usage of signal peptides." in: Proceedings of the National Academy of Sciences of the United States of America , Vol. 94,
-------------------	--

Issue 26, pp. 14444-9, (1998) ([PubMed](#)).

Krause, Jandrig, Wernicke, Bulfone-Paus, Pohl, Diamantstein: "Genomic structure and chromosomal localization of the human interleukin 15 gene (IL-15)." in: **Cytokine**, Vol. 8, Issue 9, pp. 667-74, (1997) ([PubMed](#)).

Meazza, Verdiani, Biassoni, Coppolecchia, Gaggero, Orengo, Colombo, Azzarone, Ferrini: "Identification of a novel interleukin-15 (IL-15) transcript isoform generated by alternative splicing in human small cell lung cancer cell lines." in: **Oncogene**, Vol. 12, Issue 10, pp. 2187-92, (1996) ([PubMed](#)).

Grabstein, Eisenman, Shanebeck, Rauch, Srinivasan, Fung, Beers, Richardson, Schoenborn, Ahdieh: "Cloning of a T cell growth factor that interacts with the beta chain of the interleukin-2 receptor." in: **Science (New York, N.Y.)**, Vol. 264, Issue 5161, pp. 965-8, (1994) ([PubMed](#)).



SDS-PAGE

Image 1. Interleukin 15 (IL15) (AA 49-162), (full length) protein (His tag)